

## ABSTRACT OF THE DISCLOSURE

An image processing apparatus includes: an image input unit into which image information is input and which can output the image information as electronic data; and an intensity computation unit for computing smoothing intensity for smoothing the electronic data, from the intensity of a predetermined color component included in the electronic data output from the image input unit. The smoothing intensity is set on the basis of a relationship between the intensity of a predetermined color component and the frequency of noise. When the intensity of a predetermined color component output from the pixel of interest is high, a rate at which the intensity of the predetermined color component output from the pixel of interest is to be distributed to surrounding pixels constituting the matrix is set to a large value. When the intensity of the predetermined color component is low, the rate is set to a small value.